

WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald J. Melvin, Environmental Specialist

AREA: West Key Peninsula

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Unclassified

ACTIVITIES IN THE GROWING AREA IN 2005:

West Key Peninsula is a newly formed shellfish area for 2005. The area was formed to consolidate several shellfish areas that are located along the west shoreline of the Key Peninsula. The shellfish areas that are now included within the boundaries of the West Key Peninsula shellfish area are: the Dutcher Cove shellfish area, the Heron Island portion of the McMicken Island shellfish area, and the Whiteman Cove shellfish area. The classifications and sampling station locations and numbers are unchanged. Samples were collected a minimum of 8 times from each of the stations in the growing using the systematic random sampling method.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of the most recent 30 water samples collected from the area. This summary shows that all "approved" stations pass the NSSP approved water quality standard. Stations #40 and #556 are of concern due to elevated levels of bacteria.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **West Key Peninsula**Classification: **Unclassified,Approved**From **06/13/2001** To **12/08/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
657	Unclassified	38	1.7 - 22.0	2.0	3.0	Yes
658	Unclassified	37	1.7 - 33.0	2.0	4.0	Yes
682	Unclassified	14	1.7 - 4.5	1.8	2.0	*N/A
683	Unclassified	14	1.7 - 6.8	2.0	3.0	*N/A
684	Unclassified	14	1.7 - 110.0	2.7	11.0	*N/A
685	Unclassified	14	1.7 - 33.0	2.6	9.0	*N/A
40	Approved	31	1.7 - 79.0	5.1	26.0	Yes
41	Approved	31	1.7 - 79.0	3.3	13.0	Yes
42	Approved	30	1.7 - 11.0	2.2	4.0	Yes
213	Approved	41	1.7 - 79.0	2.0	4.0	Yes
214	Approved	41	1.7 - 17.0	1.9	3.0	Yes
556	Approved	55	1.7 - 110.0	5.8	23.0	Yes
557	Approved	54	1.7 - 17.0	1.9	3.0	Yes
558	Approved	53	1.7 - 350.0	2.3	8.0	Yes
579	Approved	56	1.7 - 23.0	2.1	4.0	Yes
580	Approved	57	1.7 - 33.0	2.2	5.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

* N/A - SRS criteria require a minimum of 30 samples from each station. *



TN ★ MN
18°

0 1000 FEET 0 500 1000 METERS
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